

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for controlling a resolution of a graphic image comprising:

(a) selecting a first resolution value of the graphic image to be displayed on an external display unit, said first resolution value corresponding to first horizontal and vertical resolution values;

(b) additionally selecting a second resolution value corresponding to a valid screen size of the external display unit, said second resolution value being less than the first resolution value, and said second resolution value corresponding to second horizontal and vertical resolution values corresponding to a valid horizontal and vertical frequency so that the graphic image controlled by the first resolution value selected at the step (a) is fully displayed within the valid screen size;

(c) confirming a source type on the graphic image to be displayed on the external display unit and a screen mode;

(d) referring to at least one from the selected first and second resolution values and reconfiguring the graphic image according to a result of the confirmation; and

(e) shifting a start point of the graphic image controlled by the second horizontal and vertical resolution values selected at the step (b) to within a valid display period contained between horizontal sync signals and excluding part of a rear end of the graphic image from a valid display period such that a number of pixels of the graphic image in a horizontal direction is reduced and a number of lines of the graphic image in a vertical direction is reduced,

wherein if the source type of the confirmed graphic image is a source type other than a video or broadcast image or is a video or broadcast image based on a screen mode other than a full screen mode, the referring step (d) refers to the first and second resolution values, and if the source type of the confirmed graphic image is a video or broadcast image based on a full screen mode, the referring step (d) refers only to the first resolution value, and

wherein the part of the rear end of the graphic image excluded from the valid display period corresponds to an amount the start point of the graphic image is shifted to within the valid display period.

2. (Canceled).

3. (Previously Presented) The method as set forth in claim 1, wherein the external display unit is a television (TV).

4. (Previously Presented) The method as set forth in claim 3, wherein the step (a) is carried out by selecting any one of a plurality of first horizontal and vertical resolution values corresponding to horizontal and vertical frequencies capable of being accommodated in the TV.

5. (Canceled).

6. (Previously Presented) The method as set forth in claim 3, wherein the step (d) is carried out by controlling the first resolution of the graphic image on the basis of the resolution

value selected at the step (a) when the source type of the confirmed graphic image is a video image and a screen mode is a full screen mode.

7. (Original) The method as set forth in claim 6, wherein the video image is a video image read and reproduced from an optical disc or a broadcast image received through a broadcast.

8-9. (Canceled).

10. (Currently Amended) A system for controlling a resolution of a graphic image comprising:

an input device configured to allow a user to select a first resolution value of the graphic image to be displayed on an external display unit, and to select a second resolution value corresponding to a valid screen size of the external display unit, the second resolution value being less than the first resolution value, said first resolution value being first horizontal and vertical resolution values, and said second resolution value being second horizontal and vertical resolution values corresponding to a valid horizontal and vertical frequency so that the graphic image controlled by the first resolution value selected using the input device is ~~fully~~ displayed within the valid screen size; and

a processing unit configured to confirm a source type on the graphic image to be displayed on the external display unit and a screen mode, and to refer to at least one from the

selected first and second resolution values and to reconfigure the graphic image according to a result of the confirmation,

wherein if the source type of the confirmed graphic image is a source type other than a video or broadcast image or is a video or broadcast image based on a screen mode other than a full screen mode, the processing unit refers to the first and second resolution values, and if the source type of the confirmed graphic image is a video or broadcast image based on a full screen mode, the processing unit refers only to the first resolution value, and

wherein the processing unit shifts a start point of the graphic image controlled by the second horizontal and vertical resolution values selected using the input unit to within a valid display period contained between horizontal sync signals and excludes part of a rear end of the graphic image from the valid display period such that a number of pixels of the graphic image in a horizontal direction is reduced and a number of lines of the graphic image in a vertical direction is reduced, and

wherein the part of the rear end of the graphic image excluded from the valid display period corresponds to an amount the start point of the graphic image is shifted to within the valid display period.

11. (Canceled).

12. (Previously Presented) The system as set forth in claim 10, wherein the external display unit is a television (TV).

13. (Previously Presented) The system as set forth in claim 12, wherein the first resolution values include any one of a plurality of horizontal and vertical resolution values corresponding to horizontal and vertical frequencies capable of being accommodated in the TV.

14. (Canceled).

15. (Previously Presented) The system as set forth in claim 12, wherein the processing unit controls the resolution of the graphic image based on the first resolution value when the source type of the confirmed graphic image is a video image and a screen mode is a full screen mode.

16. (Previously Presented) The system as set forth in claim 15, wherein the video image is a video image read and reproduced from an optical disc or a broadcast image received through a broadcast.

17-18. (Canceled).